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BANS E C R E T 2317222 OCT 70 CITE TOF MITST SUBJECT: SYSTEM 28 25X1A非正正的問題的問題。 TELECON OF 22 OCT 1978 IN REFERENCE TELECON ITSWAS REQUESTED THAT A NETHOD OF REDUCING SENSITIVITY TO EFFECT A 20 PERCENT REDUCTION 25X1 IN HANGE FOR SYSTEM 20 TO COMPENSATE FOR DIFFERENCE IN SUMMER AND WINTER ATMOSPHERE. INFORMATION CONTAINED IN ATMOSPHERIC TRANSMISSION STUDY, SUBMITTED AS ENCLOSURE (1) TO PROGRAM MONTHLY SUMMARY PEPORT FOR PERIOD 16 FEBRUARY TO 15 MARCH 1976 INDICATES CHANGE OF AIMOSPHERE AT THAT LOCATION SHOULD NOT CAUSE A PE PERCENT INCREASE IN RANGE. IT INDICATES THAT THE SEASONAL DIFFERENCE IN ATMOSPHERIC TRANSMISSION BETWEEN WINTER AND SUMMER SHOULD BE LESS THAN 8 PERCENT WITH AN EFFECT ON RANGE OF LESS THAN 5 PERCENT. TO ACHIEVE 28 PERCENT REDUCTION IN RANGE THE MAFD SHOULD 3 . PE APPROXIMATELY P.42 X IN TO THE MINUS ELEVEN W/CM SQUARED. OR A REDUCTION IN SYSTEM SENSITIVITY OF APPROXIMATELY 35 PERCENT CHO ALLOWANCE FOR DIFFERENT ATNOSPHERIC PATH LENGTES IS INCLUDED

THIS REDUCTION IN SENSITIVITY CAN BE ACHIEVED BY REDUCING THE AREA OF THE TELESCOPE ENTRANCE APERTURE BY 35 PERCENT.

pproved For Release 2002/09/03 : CIA-RDP75B00285R000200140083-4

Approved r Release 2002/99/03 E SIA EDEZ 5E 5R000200140083-4

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EACH SYSTEM IS PROVIDED WITH FIVE TELESCOPE ENTRANCE AND R.

INSTALLED IN THE SYSTEM. THE REMAINING APERTURES ARE CONTAINED IN AN ENVELOPE IN THE SYSTEM LOGBOOK RETAINED WITH EACH SYSTEM.

THE APERTURES ARE GRADUATED IN 18 PERCENT TRANSMISSION INCREMENTS

FROM APPROXIMATELY 90 PERCENT TRANSMISSION TO APPROXIMATELY 90

PERCENT TRANSMISSION AS FILL DES

PART NO.	PERCENT TRANS.	colos
1277965-1H	54	3ROVN .
1277965-2	6.7	RLD
12 779 65-3	7.8	OPANGE
1277965-4	30	YELLOW
1277965-5	99	GREEN
NO APERTURE	100	R/A

S. BASED ON RAW DATA FROM FIELD CALIBRATIONS ON DATES INDI-CATED, AND ASSUMING THAT DATA WAS TAKEN WITH NO APERTURE INSTALLED.

IT IS SUGGESTED THAT THE APERTURES INDICATED BELOW BE INSTALLED

AFTER THE APERTURE IS INSTALLED THE

SYSTEM SHOULD SE CALIBRATED AND APERTURE CHANGED AS NECESSARY TO ATTAIN AN MAFD OF 2.48 X 10 TO THE MINUS ELEVEN W/CM SQUARED. 25X1A

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RECONMENDED APERTURE

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CALIBRATION DATE	TIVITY	AEDUC
9-2-70	**	3
7-29-78	•	2
8-6-75	•	1
	9-2-7 0 7-29-78	9-2-7# - 7-29-78 -

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